

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|---------------------|
| L1 | 63473 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) PVAL polyvinylbutyral (poly \$vinylbutyral) (polyvinyl \$butyral) (polyvinyl adj butyral) (poly adj vinyl adj butyral) PVB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 07:57 |
| L2 | 60370 | (bulk adj density) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 07:57 |
| L3 | 20 | 1 with 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 07:57 |
| L4 | 56 | 1 same 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 07:58 |
| L5 | 156840 | (g/cm3) (g/l) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:02 |
| L6 | 8 | 4 same 5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:02 |

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|-----|------|--|---|----|----|---------------------|
| L7 | 6 | "5244503" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:09 |
| L8 | 9 | "5914368" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:23 |
| L9 | 0 | "5914368" and 1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:23 |
| L10 | 0 | "5914368" and 1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:23 |
| L11 | 8 | "4130539" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:23 |
| L12 | 0 | "4130539" and density | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:24 |
| L13 | 1036 | 1 with fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:47 |
| L14 | 85 | 1 with fiber with (granul \$8 powder) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 08:48 |

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|-----|--------|--|---|----|----|---------------------|
| L15 | 124074 | carbon adj fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:01 |
| L16 | 20946 | aramid adj fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:01 |
| L17 | 227852 | glass adj fiber | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:01 |
| L18 | 327700 | 15 16 17 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:01 |
| L19 | 192 | 18 near20 1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:01 |
| L20 | 17 | 18 near20 1 near20 (powder granul\$8) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:04 |
| L21 | 892 | 264/140.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |
| L22 | 614 | 264/141.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |

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| L23 | 499 | 264/142.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |
| L24 | 621 | 264/143.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |
| L25 | 2437 | 21 22 23 24 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |
| L26 | 20 | 25 and 1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:30 |
| L27 | 24321 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L28 | 28 | "4323492" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L29 | 2 | L28 and L27 and extru \$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L30 | 24321 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |

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|-----|-----|---|---|----|----|---------------------|
| L31 | 388 | "20040054001" "20050220692" "20050227891" "20050232989" "20050272826" "20060052533" "20060205624" "20070015652" "20070224268" "20080067002" "20080203593" "20080233185" "4130539" "4342745" "4551287" "4591436" "4613599" "4619600" "4624951" "4851252" "4911930" "4950394" "4978575" "5232489" "5346553" "5484620" "5525278" "5527405" "5540873" "5569315" "5723522" "5747676" "6254954" "6277549" "6277550" "6281180" "6287748" "6300415" "6322959" "6329403" "6334452" "6344311" "6345633" "6428993" "6436625" "6440340" "6458511" "6465502" "7511096" RE37295 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L32 | 376 | "20020050389" "20030029094" "20030161973" "20040219247" "20050079299" "20050215690" "20060052533" "20070085231" "20070257378" "20080111267" "20080203593" "20090044662" "3865120" "4152081" "4207114" "4363450" "4427795" "4434252" "4509457" "4632752" "4647599" "4708874" "4742524" "4833992" "4950484" "4970804" "5028266" "5101838" "5620251" "5651988" "5744553" "5772187" "5820303" "5972402" "6112677" "6193439" "6492024" "6562940" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |

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|-----|-------|--|---|----|----|---------------------|
| | | "6733782" "6755563" "6784214" "7048948" "7108500" "7151127" "7217406" "7312263" "7404359" "7412782" "7509911" RE33492 | | | | |
| L33 | 749 | L31 L32 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L34 | 895 | 264/5.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L35 | 1 | L33 and L34 and L30 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L36 | 24321 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| L37 | 6 | (L36 near10 (glass adj transition)) near10 greater | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/28 09:32 |
| S1 | 16 | "5886075" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:24 |
| S2 | 15 | S1 and (extru\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:25 |

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| S3 | 1 | S1 and (extru\$6) and granulat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:25 |
| S4 | 1 | S1 and (extru\$6) and granulat\$3 and (molten adj state) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:25 |
| S5 | 3 | "04258638" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:52 |
| S6 | 2 | "20080203593" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 14:59 |
| S7 | 866 | 264/5.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:00 |
| S8 | 887 | 264/140.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:00 |
| S9 | 8 | S7 and S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:02 |
| S10 | 23491 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:05 |

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| S11 | 0 | S9 and S10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:05 |
| S12 | 6 | S10 and (S7 S8) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:05 |
| S13 | 633 | S10 near10 (granulate particle atomize powder) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:08 |
| S14 | 373 | S10 near10 (granulate particle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:08 |
| S15 | 2275 | (polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal)).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:09 |
| S16 | 145 | S14 and S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:09 |
| S17 | 16 | S14 and S15 and extru \$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:10 |
| S18 | 3 | S14 same S15 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:18 |

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| S19 | 0 | S14 same S15 same extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:18 |
| S20 | 39284 | kuraray | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:19 |
| S21 | 95 | S20 and S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:19 |
| S22 | 19 | S20 and S15 and extru \$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:19 |
| S23 | 28 | "4323492" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:32 |
| S24 | 2 | S23 and S10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:41 |
| S25 | 2 | S23 and S10 and extru \$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:41 |
| S26 | 34 | "3472801" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:42 |

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| S27 | 3 | S26 and S10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:43 |
| S28 | 9 | S10 same (molten adj state) same extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:45 |
| S29 | 7 | "4130539" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:46 |
| S30 | 7 | "1421140" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:47 |
| S31 | 0 | "59114368" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:48 |
| S32 | 7 | "5914368" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/03 15:48 |
| S33 | 2 | "20050001348" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:45 |
| S34 | 23491 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:55 |

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|-----|-------|---|---|----|----|---------------------|
| S35 | 7 | "5914368" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:55 |
| S36 | 0 | S35 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:55 |
| S37 | 866 | 264/5.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:56 |
| S38 | 887 | 264/140.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:56 |
| S39 | 1745 | S37 S38 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:57 |
| S40 | 24758 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) PVAL | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:57 |
| S41 | 6 | S39 and S40 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 07:57 |
| S42 | 3 | "20050159545" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:01 |

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|-----|-------|---------------------------------------|---|----|----|---------------------|
| S43 | 2 | "20050159545" and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:03 |
| S44 | 13 | "4182382" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:05 |
| S45 | 17203 | (hot cold) adj3 (granul \$6 extru\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:42 |
| S46 | 1572 | S45 and "264".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:43 |
| S47 | 10 | S46 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:43 |
| S48 | 4 | S45 same S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:43 |
| S49 | 2436 | (hot cold) adj3 (granul \$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:44 |
| S50 | 785 | (hot cold) adj (granul \$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:44 |

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|-----|-----|---|---|----|----|---------------------|
| S51 | 2 | S50 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:44 |
| S52 | 60 | S50 and "264".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:45 |
| S53 | 93 | S34 with (resin plastic powder) with (process method) with (granul \$6 partic\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 08:53 |
| S54 | 388 | "20040054001" "20050220692" "20050227891" "20050232989" "20050272826" "20060052533" "20060205624" "20070015652" "20070224268" "20080067002" "20080203593" "20080233185" "4130539" "4342745" "4551287" "4591436" "4613599" "4619600" "4624951" "4851252" "4911930" "4950394" "4978575" "5232489" "5346553" "5484620" "5525278" "5527405" "5540873" "5569315" "5747676" "5750920" "5804573" "6254954" "6277549" "6277550" "6281180" "6287748" "6300415" "6322959" "6329403" "6334452" "6344311" "6345633" "6428993" "6436625" "6440340" "6458511" "6465502" RE37295 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:28 |

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|-----|----|-------------------|---|----|----|---------------------|
| S55 | 3 | S54 and (S37 S38) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:29 |
| S56 | 34 | "3472801" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:34 |
| S57 | 3 | S56 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:36 |
| S58 | 0 | "46651221" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:38 |
| S59 | 43 | "4665124" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:38 |
| S60 | 41 | S59 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:39 |
| S61 | 3 | "0532489" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 09:40 |
| S62 | 3 | "5238994" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 10:09 |

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|-----|------|--|---|----|----|---------------------|
| S63 | 8462 | (hot cold) adj (granul \$6 extru\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 10:10 |
| S64 | 2528 | ((hot cold) adj (cut \$4)) adj down) (strand adj extru\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:19 |
| S65 | 93 | S53 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:20 |
| S66 | 18 | S64 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:20 |
| S67 | 6 | ((hot cold) adj (cut \$4)) adj down) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:21 |
| S68 | 399 | (strand adj extrusion) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:22 |
| S69 | 3 | S68 and S34 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 11:23 |
| S70 | 29 | side adj stream adj inlet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 13:04 |

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| S71 | 3 | "20040161257" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 13:37 |
| S72 | 531 | dos\$3 adj line | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 14:51 |
| S73 | 23491 | polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 14:51 |
| S74 | 8 | S72 and S73 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 14:51 |
| S75 | 2 | (dos\$3 adj line) near10 screw | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 14:52 |
| S76 | 140 | S73 near10 (glass adj transition) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 15:20 |
| S77 | 0 | (S73 near10 (glass adj transition)) near greater | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 15:42 |
| S78 | 6 | (S73 near10 (glass adj transition)) near10 greater | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 15:42 |

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| S79 | 168 | (dos\$3 adj (line device inlet)) near10 screw | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 15:57 |
| S80 | 22 | S79 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 15:58 |
| S81 | 55806 | screw near5 diameter | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 16:00 |
| S82 | 5 | S80 and S81 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 16:00 |
| S83 | 27 | S81 near10 dos\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 16:05 |
| S84 | 11 | S83 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/02/04 16:06 |
| S85 | 5 | "4254071" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/25 10:16 |
| S86 | 28 | "4323492" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 13:58 |

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| S87 | 24306 | polyvinylacetal (poly vinylacetal) (polyvinyl acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 13:59 |
| S88 | 647 | S87 same extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 13:59 |
| S89 | 2 | "20080203593" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:02 |
| S90 | 1 | S86 same extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:05 |
| S91 | 20 | S86 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:05 |
| S92 | 2 | S86 and extru\$6 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:06 |
| S93 | 2 | "7285594" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:09 |
| S94 | 2 | "6984692" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:09 |

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| S95 | 1 | S94 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:10 |
| S96 | 3 | "6992130" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:11 |
| S97 | 1 | "6992130" and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:11 |
| S98 | 5 | "5244503" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:14 |
| S99 | 868592 | "5244503" ad S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:14 |
| S100 | 2 | "5244503" and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:14 |
| S101 | 3 | "04258638" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:17 |
| S102 | 3355 | kotake.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:20 |

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| S103 | 2032 | kozai.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:20 |
| S104 | 11266 | nishijima.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:20 |
| S105 | 22 | S102 and S103 and S104 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:20 |
| S106 | 13 | S102 and S103 and S104 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:20 |
| S107 | 0 | S102 and S103 and S104 and S87 and extru \$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:21 |
| S108 | 8 | "4130539" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:23 |
| S109 | 0 | "4130539" and S87 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:25 |
| S110 | 2335 | (polyvinylacetal (poly \$vinylacetal) (polyvinyl \$acetal) (polyvinyl adj acetal) (poly adj vinyl adj acetal)).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:28 |

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| S111 | 169 | S110 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:30 |
| S112 | 11 | "2332889" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:35 |
| S113 | 23 | "2332899" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 14:35 |
| S114 | 2 | "20090176937" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 15:17 |
| S115 | 4 | KASAI.in. and MATSUNAGA.in. and TSUZUKI.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 15:21 |
| S116 | 2437 | 264/140-143.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 15:53 |
| S117 | 9 | S116 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 15:54 |

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|------|-----|---|---|----|----|---------------------|
| S118 | 388 | "20040054001" "20050220692" "20050227891" "20050232989" "20050272826" "20060052533" "20060205624" "20070015652" "20070224268" "20080067002" "20080203593" "20080233185" "4130539" "4342745" "4551287" "4591436" "4613599" "4619600" "4624951" "4851252" "4911930" "4950394" "4978575" "5232489" "5346553" "5484620" "5525278" "5527405" "5540873" "5569315" "5723522" "5747676" "6254954" "6277549" "6277550" "6281180" "6287748" "6300415" "6322959" "6329403" "6334452" "6344311" "6345633" "6428993" "6436625" "6440340" "6458511" "6465502" "7511096" RE37295 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:11 |
| S119 | 376 | "20020050389" "20030029094" "20030161973" "20040219247" "20050079299" "20050215690" "20060052533" "20070085231" "20070257378" "20080111267" "20080203593" "20090044662" "3865120" "4152081" "4207114" "4363450" "4427795" "4434252" "4509457" "4632752" "4647599" "4708874" "4742524" "4833992" "4950484" "4970804" "5028266" "5101838" "5620251" "5651988" "5744553" "5772187" "5820303" "5972402" "6112677" "6193439" "6492024" "6562940" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:12 |

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| | | "6733782" "6755563" "6784214" "7048948" "7108500" "7151127" "7217406" "7312263" "7404359" "7412782" "7509911" RE33492 | | | | |
| S120 | 749 | S118 S119 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:12 |
| S121 | 893 | 264/5.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:13 |
| S122 | 3 | S120 and S121 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:13 |
| S123 | 1 | S120 and S121 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:13 |
| S124 | 1118 | 264/45.3.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:14 |
| S125 | 740 | 264/45.9.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:15 |
| S126 | 1791 | S124 S125 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:15 |

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| S127 | 8 | S126 and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:15 |
| S128 | 48 | "4533562" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:18 |
| S129 | 4 | "4533562" and S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:18 |
| S130 | 1 | "4533562" and S87 and extru\$6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/26 16:19 |

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